

REMARKS/ARGUMENTS

In this amendment, claims 1, 10, 22, 29, and 36 have been amended. Claims 8-9, 27-28, and 41-42 have been canceled. No claims have been added. Thus, claims 1-7, 10-26, and 29-40 are pending.

Amendments to the Specification

On page 2 of the Office Action, Figure 3E was objected to on the grounds that reference characters 300e and 301e were not mentioned in the specification. Rather than changing the drawing, Applicants have amended paragraph [0059] to refer to reference characters 300e and 301e rather than to 300d and 301d.

Objections to the Drawings

On page 3 of the Office Action, Figures 3C and 7 were objected to. These drawings have been corrected as described above.

In addition, Replacement Sheets including formal (publication-quality) drawings for all figures are submitted herewith. No new matter has been added.

Claim Objections

Claim 29 was objected to because of a typographical error: "luminositycompensation" did not have a space between the words. Claim 29 has been amended to fix this typographical error.

Rejection under 35 USC §102(e), Dorbie

Claims 1-42 were rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 6,545,685 to Dorbie. Claims 8, 9, 27, 28, 41 and 42 have been canceled, rendering the rejection moot as applied to these claims. Regarding the pending claims, without conceding the merits of the rejection as applied to the previously presented claims, Applicants respectfully submit that the amended claims overcome this rejection.

Claims 1-21

Claim 1, as amended, is allowable as Dorbie does not disclose or suggest each and every element of claim 1. For example, claim 1 recites a method that includes:

providing a user interface enabling a user to modify the shape of the target surface,
wherein defining the luminosity texture includes automatically updating one or more of the luminosity texels in response to a user modification of the shape of the target surface.

Dorbie discloses a method for edge blending two images together to create a seamless larger image but does not address the problem of the axis of projection not being normal to a screen. *See Dorbie*, abstract. The blending is accomplished by modifying the horizontal brightness level of an image, such as channel 2, in an area in which the image overlaps with another image. *Id.*, Figures 5 and 7. In Figure 7, the diagrams beneath each depiction show the shape of the brightness level for that depiction. *Id.*, col. 7 lines 27-32. At col. 7, lines 42-50, Dorbie states that the blending depends on the geometry of the display system, which may give rise to arbitrary blend shapes.

However, Dorbie does not describe modifying the geometry of a display system, a blend shape, or a target surface. Dorbie also does not describe a user interface to accomplish such a modification, but merely states that different display systems may have different geometries. Thus, Dorbie does not teach or suggest modifying a target surface. In contrast, claim 1 recites "*providing a user interface enabling a user to modify the shape of the target surface.*"

Additionally, Dorbie does not teach or suggest "*automatically updating one or more of the luminosity texels in response to a user modification of the shape of the target surface,*" as recited in claim 1. Dorbie does not teach or suggest any mechanism for accomplishing such an update, particularly since no mechanism is disclosed for a user to modify the geometry of the display system or a blend shape.

The Office Action refers to col. 7 lines 20-23 of Dorbie as teaching automatically updating a luminosity texel in response to a user modification of the shape of the target surface, but this is inaccurate. This passage of Dorbie mentions that in the prior art, brightness levels

were controlled by separate blending devices. These devices, like that of Dorbie, alter the brightness of parts of an image, but do not modify the shape of a target surface, allow a user to modify the shape, or update a luminosity texel in response to a user modification of the shape.

For at least these reasons, claim 1 is allowable over Dorbie. As claim 1 is allowable, dependent claims 2-21 are also allowable for at least the same rationale.

Claims 22-40

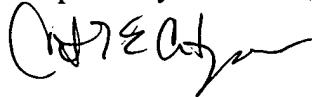
Applicants submit that claims 22 and 36 should be allowable for at least the same rationale as discussed with respect to claim 1. As claim 22 is allowable, dependent claims 23-26 and 29-35 are allowable for at least the same rationale. As claim 36 is allowable, dependent claims 37-40 are allowable for at least the same rationale.

CONCLUSION

In view of the foregoing, Applicants believe all claims now pending in this Application are in condition for allowance. The issuance of a formal Notice of Allowance at an early date is respectfully requested.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 650-326-2400.

Respectfully submitted,



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Attachments
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Amendments to the Drawings:

Attached hereto are six sheets of Replacement Drawings, replacing Figs. 1, 2, 3A-3E, 4, 5, 6, 7, 9 and 10 with formal (publication-quality) drawings. Figs. 8A and 8B, previously submitted as color drawings, are not being replaced.

The Replacement drawings also correct errors identified in the original drawings as follows:

The Replacement Sheet that includes Figs. 3C-3E includes a correction to Fig. 3C. Specifically, the image on monitor 302 is now properly labeled as 300c.

The Replacement Sheet that includes Figs. 6 and 7 includes a correction to Fig. 7. Specifically, reference label 730 has been added.

Attachment: 6 Replacement Sheets